

ABSTRACT OF THE DISCLOSURE

A noise-protecting arrangement for ear protector includes an audio-frequency receiving unit, a first
5 audio-frequency amplifying unit, a volume control amplifying unit, a current amplifying unit, a gain control signal unit, an impedance matching unit, a gain control unit, a gain adjusting unit, a volume regulating unit, a second audio-frequency amplifying unit, and
10 an audio-frequency output unit. The noise-protecting arrangement automatically attenuates a noise that enters into the ear protector and is higher than a predetermined dB level, and thereby protects a user's eardrum. The ear protector with this noise-protecting
15 arrangement is suitable for use in environments in which various machine tools, such as drills, millers, lathes and the like are operated, firing training is performed, high-pressure air horn, vehicles, and aircrafts are maintained, or other types of high-frequency noises
20 exist.